

WHAT IS CLAIMED IS:

1. A touch sensitive interface, comprising:

a textile construction (1) having a recess (20), and

a conductive coil (30) with an electromagnetic field (37) associated with
5 said recess (20).
2. The touch sensitive interface of claim 1, wherein said recess (20) is
integral with said textile construction (1).
3. The touch sensitive interface of claim 1, wherein said recess (20) is
injected molded onto said textile construction (1).
- 10 4. The touch sensitive interface of claim 1, wherein said recess (20) is
three-dimensional.
5. The touch sensitive interface of claim 1, wherein said conductive coil
(30) is fashioned from one or more conductive fibers (35).
6. The touch sensitive interface of claim 5, wherein at least some of
15 said one or more conductive fibers (35) generate said
electromagnetic field (37).
7. The touch sensitive interface of claim 6, wherein said
electromagnetic field (37) can be influenced by an interaction with
said recess (20) and/or said conductive coil (30).
- 20 8. The touch sensitive interface of claim 7, wherein said interaction

causes a detectable interference and/or variation in said electromagnetic field (37).

- 5 9. The touch sensitive interface of claim 8, further comprising a detector (45) for detecting said interference and/or variation in said electromagnetic field (37).
10. The touch sensitive interface of claim 9, wherein said detector (45) either directly or indirectly interprets said interference and/or variation in said electromagnetic field (37) and/or actuates one or more associated operations in response thereto.
- 10 11. An interface cooperative with an upholstery or garment textile (65), comprising:
- a textile construction (1); and
- one or more conductive fibers (35) associated with said textile construction (1),
- 15 wherein said textile construction (1) has a three-dimensional recess (20) and said one or more conductive fibers (35) form a conductive coil (30).
12. The interface of claim 11, wherein said conductive coil (30) has an electromagnetic field (37) associated therewith.

13. The interface of claim 11, wherein at least some of said one or more conductive fibers (35) generate an electromagnetic field (37).
14. The interface of claim 12, wherein said electromagnetic field (37) can be influenced by an interaction with said recess (20) and/or said conductive coil (30).
15. The interface of claim 14, wherein said interaction causes a detectable interference and/or variation in said electromagnetic field (37).
16. The interface of claim 13, further comprising a detector (45) for either directly or indirectly detecting and/or interpreting said interference and/or variation in said electromagnetic field (37) to either directly or indirectly actuate one or more electronic operations or functions.
17. A method for forming a touch sensitive interface, comprising the steps of:
- fashioning a three dimensional recess (20) either from or onto a textile construction (1); and
- integrating one or more conductive fibers (35) into said three-dimensional recess (20) to form a conductive coil (30).

18. The method of claim 17, wherein said step of integrating one or more conductive fibers (35) into said three-dimensional recess (20) is accomplished during and/or after the step of fashioning said three dimensional recess (20).

19. The method of claim 17, further comprising the step of: heat
5 molding said three-dimensional recess (20) and/or said one or more conductive fibers (35) to improve the strength and/or durability thereof.

20. The method of claim 17, further comprising the steps of:

 patterning interface graphics (25) in and/or on said textile construction (1);

and

10 integrating the touch sensitive interface into an upholstery or garment textile (65).